

Listing of Claims

Claim 54 is cancelled. Claims 1-16, 25-53 and 55 are withdrawn from consideration due to restriction requirement. Claims 17-24 are elected for examination. Claims 17, 19, 21, and 23 are currently amended. Claims 56-57 is added.

Claims 1-16 are withdrawn.

17) (Currently amended) A synthetic vector ~~consisting of~~comprising:

- a nucleic acid sequence ~~coding~~ for a first origin of replication;
- a nucleic acid sequence coding for a selection agent;
- a trfA locus coding for a protein that permits an increase in the replication rate of the vector; and
- a nucleic acid sequence coding for a T-DNA, including a right border, RB, and a left border, LB, which permit the vector to function as a binary plasmid.

18) (Previously amended) The synthetic vector of claim 17 wherein a multiple cloning site is situated near the right border RB of the T-DNA.

19) (Currently Amended) The synthetic vector of claim 17 wherein said vector comprises a nucleic acid sequence ~~coding for~~corresponding to at least one expression promoter and a nucleic acid sequence corresponding to at least one transcription terminator situated between the left border, LB, and the right border, RB, of the T-DNA.

20) (Previously amended) The synthetic vector of claim 19, wherein said expression promoter is chosen from the group consisting of a constitutive promoter, an inducible promoter, and a tissue specific promoter.

21) (Currently amended) The synthetic vector of claim 19 wherein said expression promoter ~~is a plant expression promoter~~functions in a plant.

22) (Previously amended) The synthetic vector according to claim 21 wherein said expression promoter is chosen from the group consisting of: the 35S CaMV promoter; the ep35S

of CaMV; the pea plastocyanin gene promoter, and its "enhancer"; the "high molecular weight glutenin" (HMWG) promoter of wheat; the CsVMV "Cassava mosaic virus" promoter; the CoYMV "Commelina yellow mosaic virus" promoter; and the chimeric promoters of the CsVMV and CoYMV promoters.

23) (Currently amended) The synthetic vector of claim 19 wherein said transcription terminator is a terminator of a plant cell functions in a plant.

24) (Previously amended) The synthetic vector of claim 23 wherein said terminator is a 35S or a nos terminator.

Claims 25-53 are withdrawn.

Claim 54 is cancelled.

Claim 55 is withdrawn.

56) (Currently added) A synthetic vector comprising:

- a nucleic acid sequence coding for a first origin of replication;
- a nucleic acid sequence coding for a selection agent;
- a trfA locus coding for a protein that permits an increase in the replication rate of the vector; and
- a nucleic acid sequence coding for a T-DNA, including a right border, RB, and a left border, LB, which permit the vector to function as a binary plasmid, wherein said nucleic acid sequence coding for a selection agent is located near said left border of said T-DNA.

57) (Currently added) A vector comprising a nucleic acid sequence selected from the group consisting of SEQ ID Nos. 01-22.